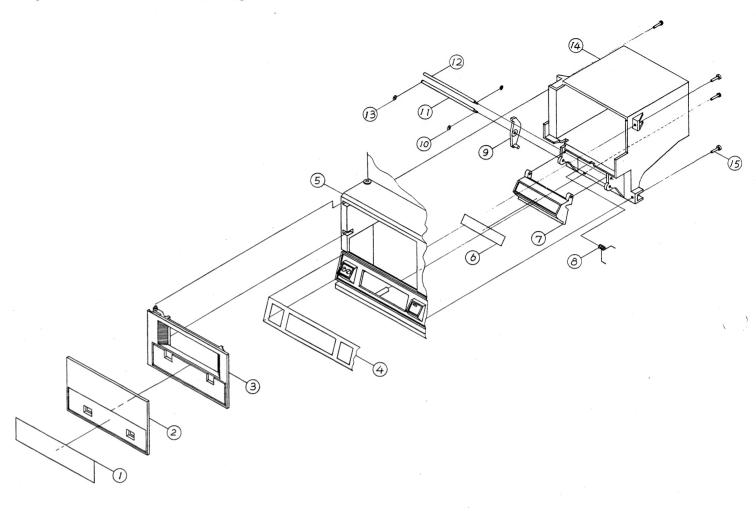
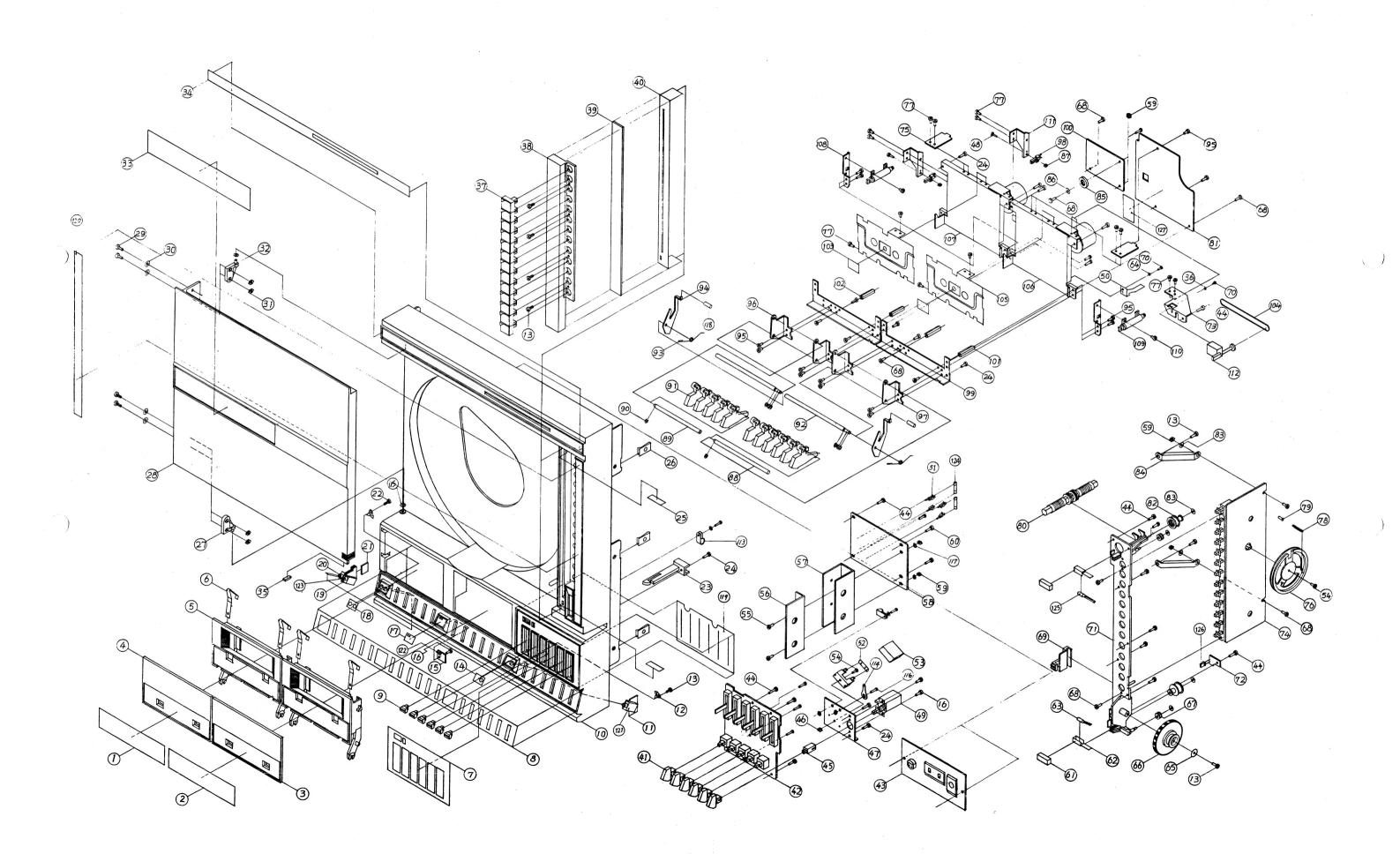
Serv	riceanweisung
Servic	e manual
VΔI	1000VAL 1002

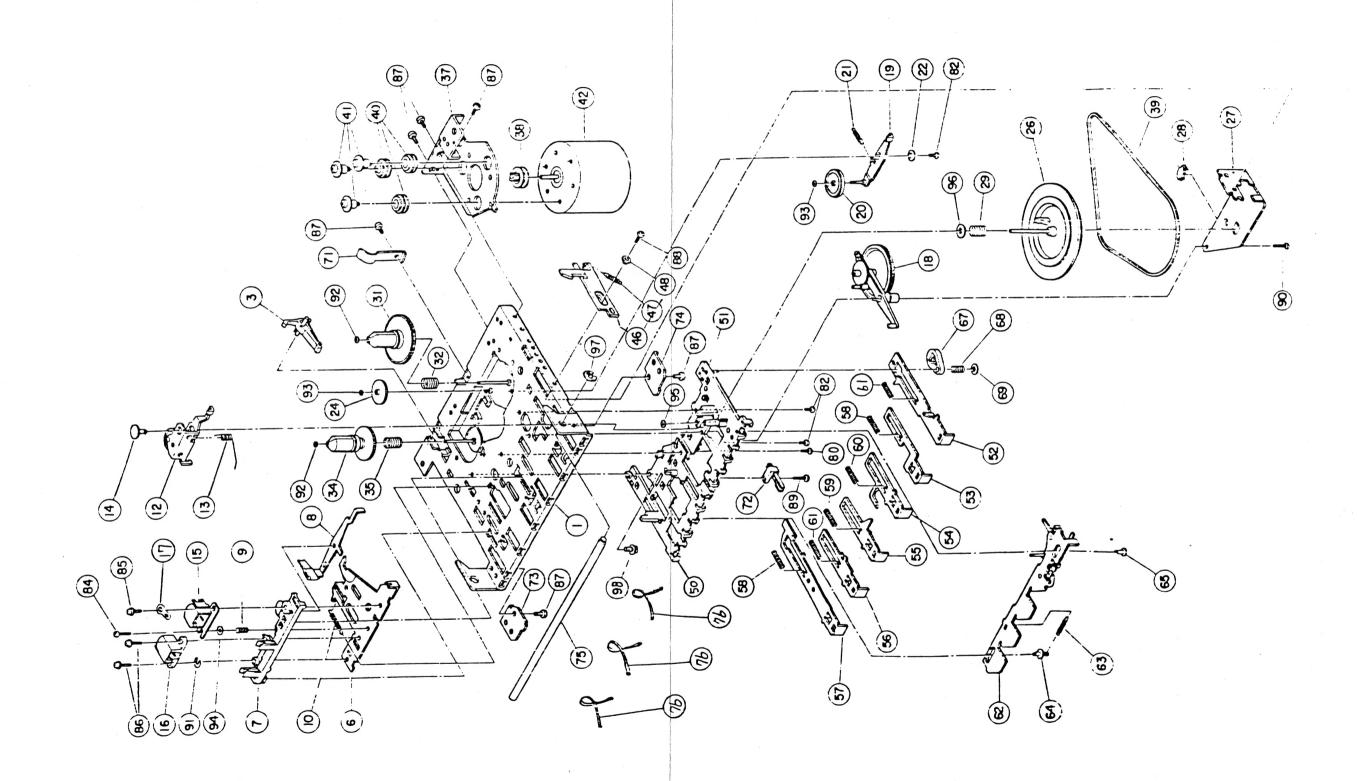
S3 4





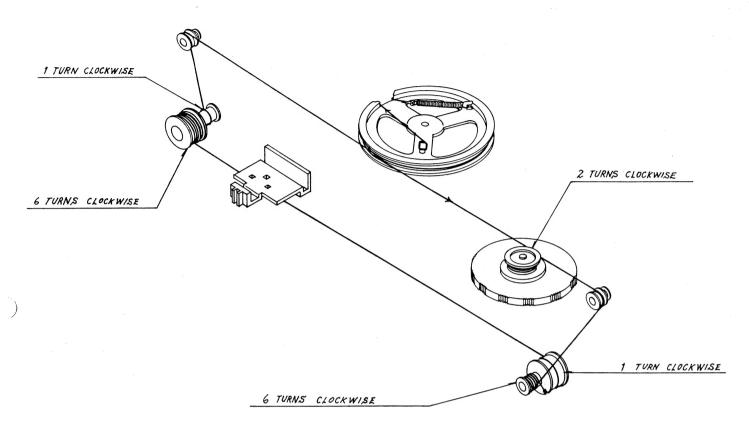
Bestell-Nr./Part No.	Bezeichnung	Description	PosNr./Ref. No
29 010 00-4295	CassettenaufbewFachabdeckung	Cass. compartment door window	2
29 011 00-4312	CassettenaufbewFachdeckel	Cass. compartment door	3
29 012 00-5903	Frontblende VAL 1000	Escutcheon	5
29 013 00-4282	Knopf CassettenaufbewFach	Compartment door open knob	7
29 014 00-416	Feder CassettenaufbewFach	Compartment door open knob spring	8
29 015 00-4299	Hebel Fachöffner	Compartment door lever	9
29 016 00-4299	CassettenaufbewFach	Cass. storage compartment	14





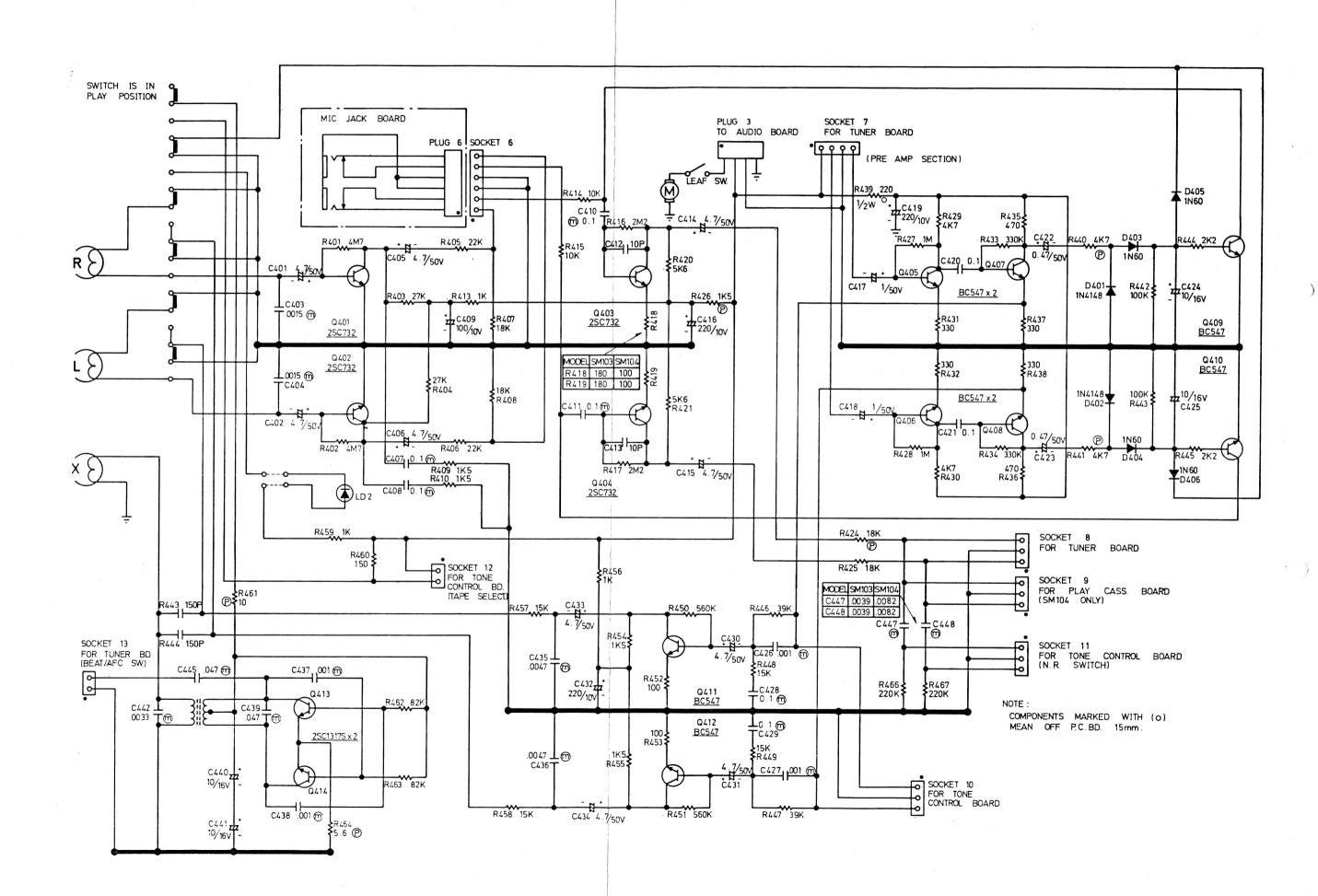
Seilführung

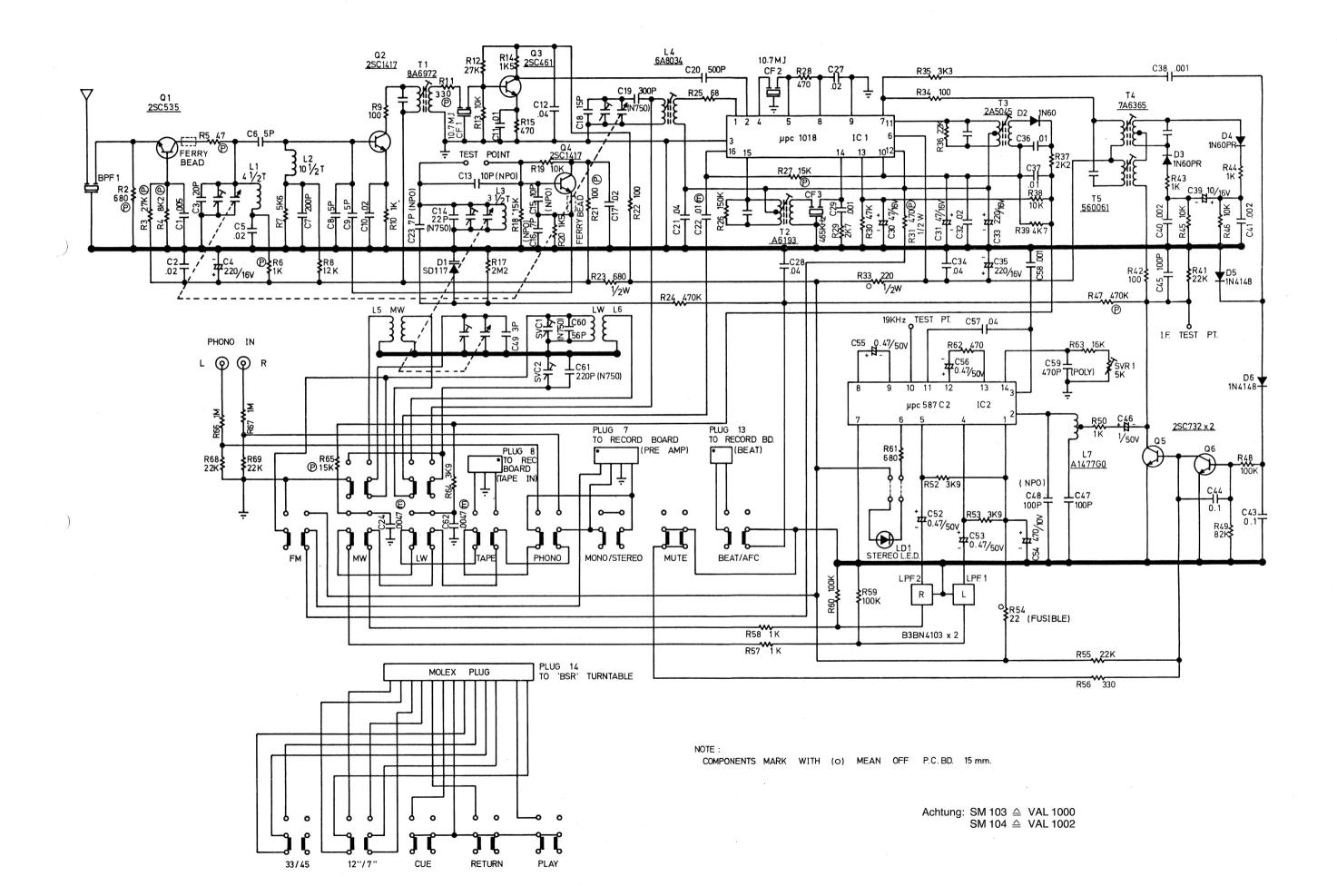
Stringing diagram



Bestell-Nr./Part No.	Bezeichnung	Description	PosNr./Ref. No
26 039 00-4295	Cassettenfachabdeckung TAPE 1	Cass. door window TAPE 1 (VAL 1002)	3
26 784 00-4295	Cassettenfachabdeckung VAL 1000	Cass. door window (VAL 1000)	3
29 044 00-4295	Cassettenfachabdeckung TAPE 2	Cass. door window TAPE 2 (VAL 1002)	4
26 785 00-4312	Cassettenfachdeckel	Cass. door	5
26 786 00-4164	Blattfeder	Door spring plate	6
26 787 00-4284	Knopf Schieberegler	Slide control knob	9
29 045 00-5903	Frontblende VAL 1002	Escutcheon	10
26 972 00-4294	Halter Abdeckhaube	Dust cover holder	23
26 973 00-445	Haubenscharnier unten	Dust cover lower hinge	27
26 974 00-422	Abdeckhaube	Dust cover	28
26 975 00-445	Haubenscharnier oben	Dust cover upper hinge	32
26 792 00-4282	Knopf Funktionstaste	Function knob	37
26 976 00-4251	Skalenabdeckung	Diallens	38
26 977 00-4251	Skalenscheibe FM	Dial scale lens	39
26 978 00-4251	Skalenscheibe MW/LW	Dial inlay	40
26 979 00-4282	Knopf Taste	Push button knob	41
26 981 00-4295	Adapter Netzschalter	Power knob buffer	45
26 982 00-3273	Netzschalter	"ALPS" Power switch SDL 1 P	49
26 985 00-4281	Knopf Abstimm	Tuning knob	66
26 986 00-4273	Führungsrolle	Guide pulley	67
26 987 00-4271	Zeiger	Pointer	69
26 990 00-427	Seilrad	Dial drum	76
26 991 00-4126	Seilzugfeder	Dial spring $3 \times 14 \times 0.3$	78
26 994 00-4273	Seilrolle	Reduction pulley	82
26 995 00-4282	Knopf Cassette	Cassette key knob	91
26 996 00-416	Feder Cassettenfach	Door spring	93
26 997 00-4295	Hebel für Dämpfer	Damping fork lever	94
26 998 00-327	Mikroschalter	Leaf switch (SM 104) play/rec deck parts	98
29 000 00-4152	Zählwerkriemen	"TANASHIN" Counter belt 52 × 0.8 MM	104
29 001 00-501	CassMechanik A/W	Cassette deck TN 33 ZFC "A" (103 only)	106
29 002 00-501	CassMechanik Wiedergabe	Cass. deck TN 33 ZFC "B" play (104-SN only	
29 003 00-501	Dämpfer	Damping	109
29 004 00-4272	Zählwerk	Tape counter MB-M 3-8 K-20	112

29 001 00-501	Cassette mech. A/W	Cass. deck TN 33 ZFC	
29 002 00-501	Cassette mech. Wiedergabe	Cass. deck TN 33 ZFC	
22 950 00-4191	Montageplatte mech.	Chassis assembly	1
			_
21 437 00-4197	Sperrhebel Aufnahme	Record safety lever	3
22 951 00-4192	Kopfträgerplatte	Headbase	7
21 438 00-4197	Abschaltfühler	Sensing plate assembly	8
21 439 00-416	Feder A/W-Kopf	Spring	9
26 881 00-416	Feder Kopfschlitten	Head panel spring	10
21 441 00-501	Bandandruckrolle kpl.	Pinch roller assembly	12
29 069 00-416	Feder BA-Rolle	Spring	13
26 885 00-429	Stopper BA-Rolle	Pinch roller arm stopper	14
	A/W-Kopf	R.P. head	15
29 070 00-32831			
29 071 00-32831	Löschkopf	E. head	16
21 446 00-4299	Rutschkupplung	RF-pulley arm assembly	18
29 072 00-429	Zwischenradarm	Take-up roller arm assembly	19
21 447 00-429	Zwischenrad	Take-up roller assembly	20
21 448 00-416	Feder Zwischenrad	Spring	21
21 449 00-429	Zahnrad Vorlauf	FFgear	24
21 450 00-418	Schwungmasse	Flywheel assembly	26
		Flywheel holder	27
21 800 00-4182	Schwungmassehalter	Flywheel plate	28
21 582 00-416	Feder Schwungmasse	Spring	29
			31
21 452 00-429	Wickelteller rechts	Take-up reel assembly	32
21 584 00-416	Feder Wickelteller rechts	Spring	
21 585 00-429	Wickelteller links	Supply reel assembly	34
21 455 00-416	Feder Wickelteller links	Spring	35
21 587 00-418	Motorpulley	Motor pulley	38
21 588 00-4152	Antriebsriemen	Main belt	39
13 590 00-328	Antriebsmotor	Motor	42
29 076 00-429	Hebel Eject	Eject slide lever	48
29 077 00-416	Feder Hebel Eject	Spring	49
26 897 00-4197	Auslösehebel	Push button actuator assembly	62
26 898 00-416	Feder für Auslösehebel	Spring	63
21 805 00-418	Bolzen	Actuator shaft (B)	64
22 946 00-418	Fixierstift	Actuator shaft	65
21 031 00-419	Schalthebel Pause	Pause lever	67
29 073 00-416	Feder	Spring	68
		Pause lever stopper	69
21 033 00-429	Stopper Schalth. Pause	r-ause level stoppel	03
21 006 00-416	Cassettenandruckfeder	Pack spring	71
21 590 00-327	Mikroschalter	Leafswitch	72
29 074 00-4163	Feder Taste	Button knob spring	76
29 075 00-407	Sicherungsscheibe Wickelt.	P washer cut	92
26 904 00-407	Sicherungsscheibe Zahnr.	Pwashercut	93
26 905 00-4069	Scheibe Schwungmasse	Nylon washer	96

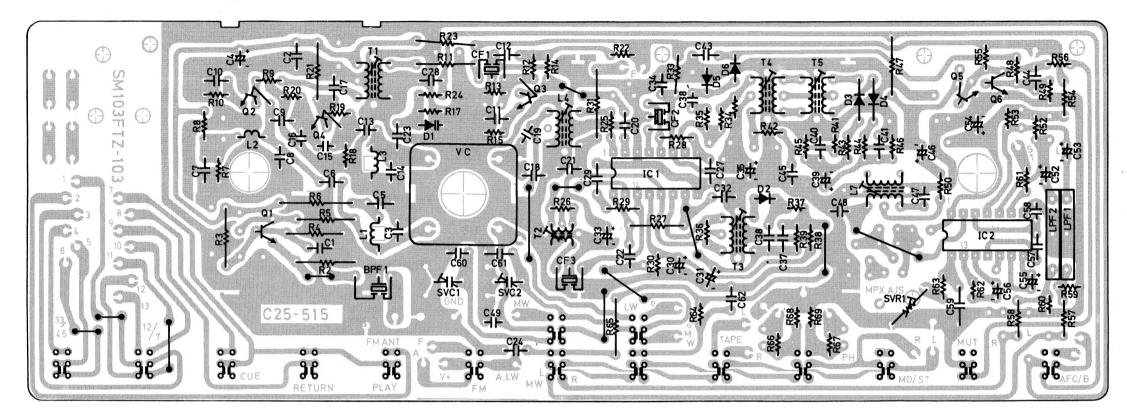




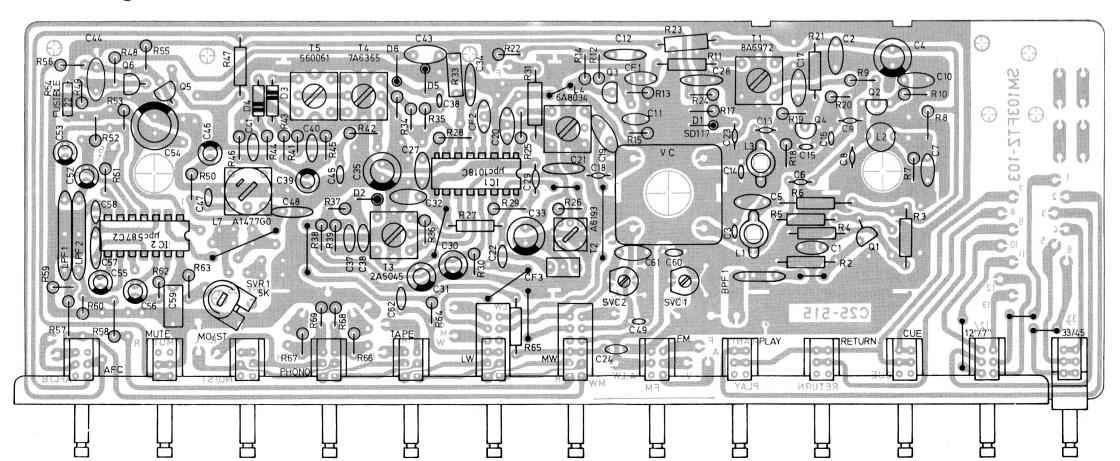
Bestell-Nr./Part No.	Bezeichnung	Description	PosNr./Ref. No.
	IC's		
			10.0
29 017 00-302 16 675 00-302	IC HA 12003 IC TDA 2030 SGS		IC2 IC3
1667500-302	ICTDA 2030 SGS		IC4
08 065 00-302	IC UPC 1018 C NEC		IC1
	Transistoren	Transistors	
03 395 00-301	Trans 2 SC 535-C		Q1
29 018 00-301	Trans 2 SC 1417-H		Q2
29 018 00-301	Trans 2 SC 1417-H		Q4
03 392 00-301	Trans 2 SC 461 B Trans 2 SC 732 TM-BL		Q3 Q5
29 019 00-301 29 019 00-301	Trans 2 SC 732 TM-BL Trans 2 SC 732 TM-BL		Q6
29 019 00-301	Trans 2 SC 732 TM-BL		Q401
29 019 00-301	Trans 2 SC 732 TM-BL		Q 402
29 019 00-301	Trans 2 SC 732 TM-BL Trans 2 SC 732 TM-BL		Q 403 Q 404
29 019 00-301 29 020 00-301	Trans 2 SD 471-L		Q 201
29 021 00-301	Trans BC 547 C		Q301
29 021 00-301	Trans BC 547 C		Q302
29 021 00-301 29 021 00-301	Trans BC 547 C Trans BC 547 C		Q 405 Q 406
29 021 00-301	Trans BC 547 C		Q407
29 021 00-301	Trans BC 547 C		Q 408
29 021 00-301	Trans BC 547 C Trans BC 547 C		Q409 Q410
29 021 00-301 29 021 00-301	Trans BC 547 C Trans BC 547 C		Q410 Q411
29 021 00-301	Trans BC 547 C		Q412
29 022 00-301 29 022 00-301	Trans 2 SC 1317-S Trans 2 SC 1317-S		Q413 Q414
	Dioden	Diodes	
		Diodes	D .4
29 023 00-304	Diode Kap. SD 117		D1 D2
03 400 00-3042 03 400 00-3042	Diode 1 N 60 Diode 1 N 60		D403-406
29 024 00-3042	Diode 1 N 60 PR		D3
29 024 00-3042	Diode 1 N 60 PR		D4 D5
29 025 00-3042 11 241 00-3041	Diode 2 DA 90 Diode 1 N 4148		D5
11 241 00-3041	Diode 1 N 4148		D 401
11 241 00-3041	Diode 1 N 4148		D 402 D 201 + 208
11 239 00-3041 11 239 00-3041	Diode 1 N 4002 Diode 1 N 4002		D 201 + 200 D 202
11 239 00-3041	Diode 1 N 4002		D 203
11 239 00-3041	Diode 1 N 4002		D 204 D 205
11 239 00-3041 11 239 00-3041	Diode 1 N 4002 Diode 1 N 4002		D 206
11 239 00-3041	Diode 1 N 4002		D 207
11 239 00-3041	Diode 1 N 4002		D 208
29 026 00-3044 29 009 00-3045	Z-Diode HZ 11 B 2 LED GL-9 NG 2 (grün)		LD1
29 006 00-3045	LED GL-9 PR 2 (rot) Aufn.		LD2
	Spulen und Filter	Coils and filters	
29 027 00-325	Antennenfilter	FM Band pass filter EXC-FF 881084	BPF 1
29 028 00-3252	Filter ZF-FM 8 A 6972	I.F.T. FM 154 FC-8 A 6972 DY	T1
29 029 00-3252	Filter ZF-AM A 6193	I.F.T. FMC-A 6193 EK	T2
29 030 00-3252	Filter 2 A 5045	I.F.T. RMC-2 A 5045 A I.F.T. 154 AC-7 A 6365 YDG	T3 T4
29 031 00-3252 29 032 00-3252	Filter 7 A 6365 Filter 56006/N 6	I.F.T. 154 AC-7 A 6565 TDG	T5
29 033 00-3252	Keramikfilter 10,7 MJ (FM)	Ceramic filter FM 10.7 M	CF 1/2
24 996 00-3252	Keramikfilter 465 kHz	AM Ceramic filter 465 kHz	CF3 L4
29 034 00-325 29 035 00-325	Spule 6 A 8034 Spule MW	Coil 6 A 8034	L4 L5
29 036 00-325	Spule LW		L6
29 046 00-325	Spule	Coil CLN-A 1477 GO	L7
15 031 00-3252 15 031 00-3252	Filter B 3 BN 4103 Filter B 3 BN 4103	Notch filter B 36 N 4103-32 Notch filter B 36 N 4103-32	LPF1 LPF2
. 5 55 1 55 5252	Ferritantenne	Barantenna	· -
26 992 00-3431	Drehko	PVC	
26 992 00-3431 29 037 00-317 29 038 00-324	Trafo		
29 037 00-317		Jacks	
29 037 00-317 29 038 00-324	Buchsen FM-Antennenbuchse	Jacks FM antenna socket D 2-713 N-01	C 01-029
29 037 00-317 29 038 00-324 26 487 00-3321 29 039 00-332	Buchsen FM-Antennenbuchse Lautsprecherbuchse	FM antenna socket D 2-713 N-01 Speaker socket D 2-714 N-00	C 01-20
29 037 00-317 29 038 00-324 26 487 00-3321	Buchsen FM-Antennenbuchse	FM antenna socket D 2-713 N-01	

Bestell-Nr./Part No.	Bezeichnung	Description	PosNr./Ref. No
	Schalter	Switches	
29 982 00-3273 29 040 00-3276 29 041 00-3276 29 047 00-3276 29 048 00-3274	Netzschalter Tastensatz 12fach Tastenschalter 33/45 Tastenschalter A/W-Schiebeschalter	Power switch SDL 1 P Switch push 12 F SUJC 3 A Switch push 33/45 Switch push Recording switch	C 22-131 C 22-125 C 22-127 C 22-132 C 40-013
	Schieberegler	Controls	
29 042 00-322 29 043 00-322	Schieberegler 100 K × 2 (EQ) Schieberegler BM 50 K (Vol.)	Slide VR VJ 3023-2 GPVN 20 CP Slide VR VJ 3023-2 PVN 20 CP	C 31-037 VR 1-4 C 31-038 VR 5/6
	Platinen	P.C.B.'s	
26 989 00-500 26 983 00-500 26 980 00-500 26 788 00-500 26 789 00-500 26 790 00-500 26 791 00-500 26 998 00-500 26 999 00-500	HF-Platine NF-Platine Klangreglerplatine Kopfhörerbuchsenplatine Aufnahme-LED-Platine Mikrofonbuchsenplatine rechts Mikrofonbuchsenplatine links Stereo-LED-Platine A/W-Platine Wiedergabeplatine	Tuner board Audio board Tone board Headphone board Rec. LED board Mic jack board (r) Mic jack board (l) Stereo LED board Record board Play cassette board	C 25-515 C 25-517 C 25-516 C 25-479 C 25-474 C 25-473 C 25-491 C 25-475 C 25-507 C 25-490
	Lampen	Lamps	
26 984 00-3291 29 008 00-3291	Skalenlampe oben Skalenlampe unten	Bulb (upper) 6 V/70 mA Bulb (lower) 6 V/70 mA	C 05-195 C 05-194

Leiterbahnseile Wiring view

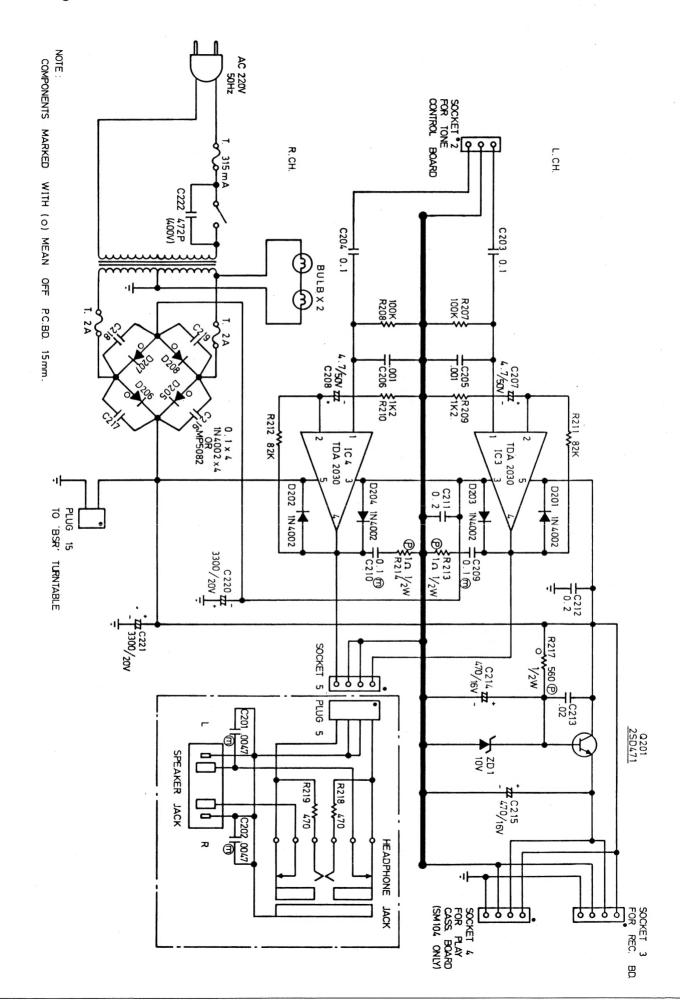


Bestückungsseite Component view



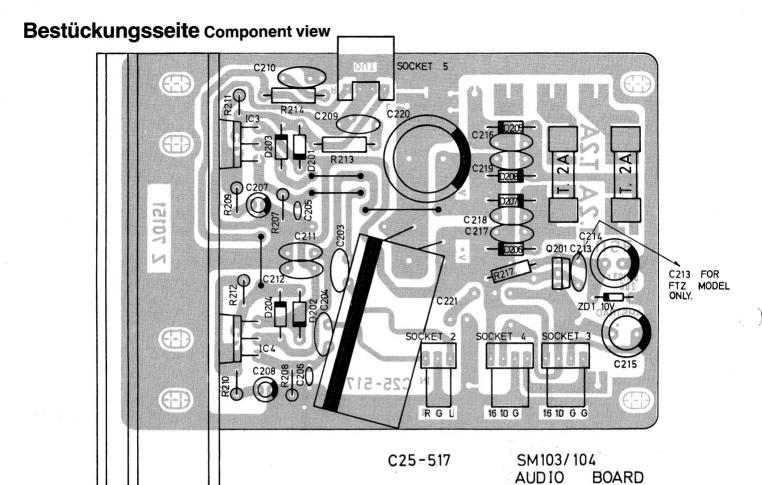
Schaltbild Audioplatine

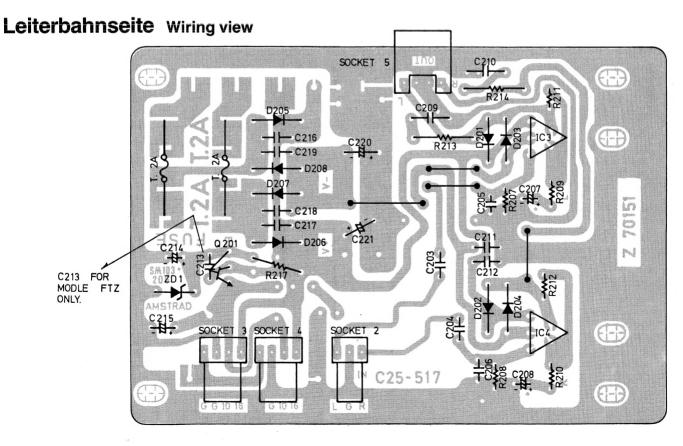
Circuit diagram audio P.C.B.



Audio-Platine

Audio P.C.B.

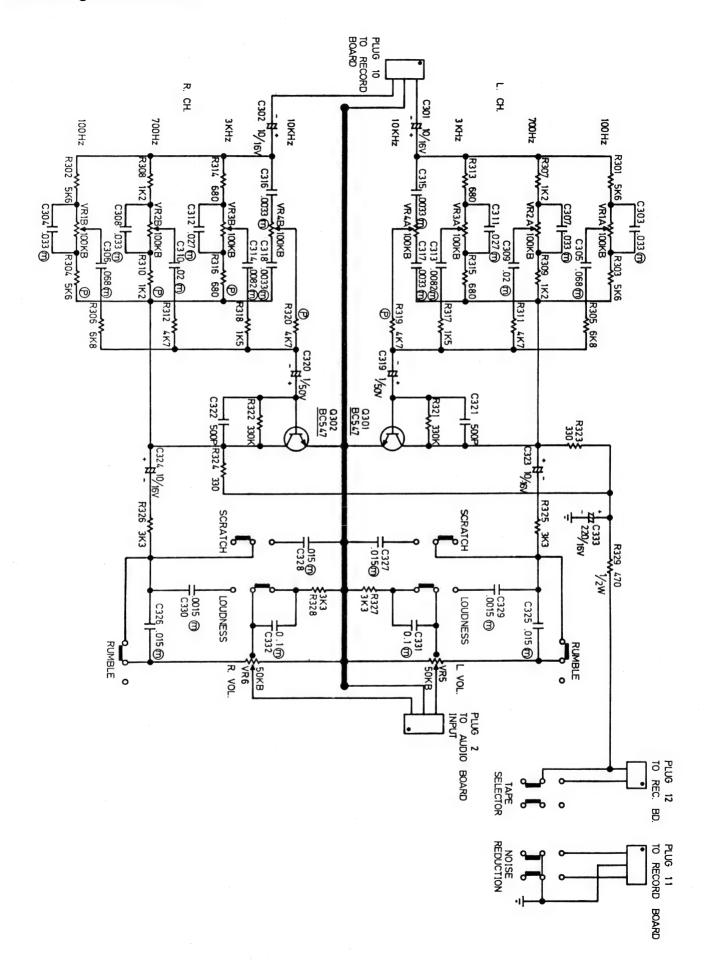




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Schaltbild Klangreglerteil

Circuit diagram tone P.C.B.



Klangreglerplatine

Tone control P.C.B.

Leiterbahnseite

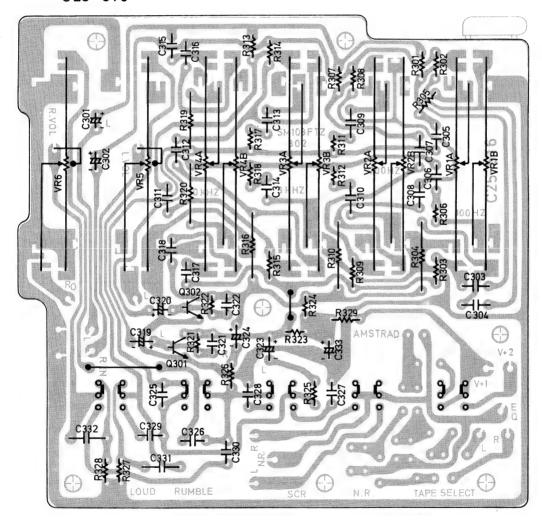
Wiring view

SCALE 2:1

TONE CONTROL

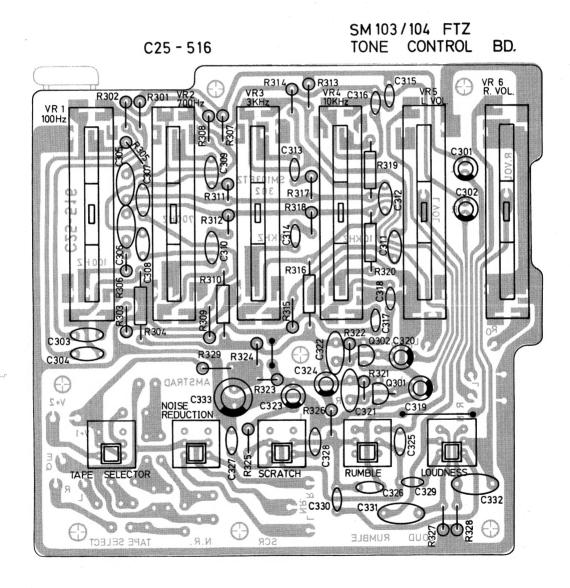
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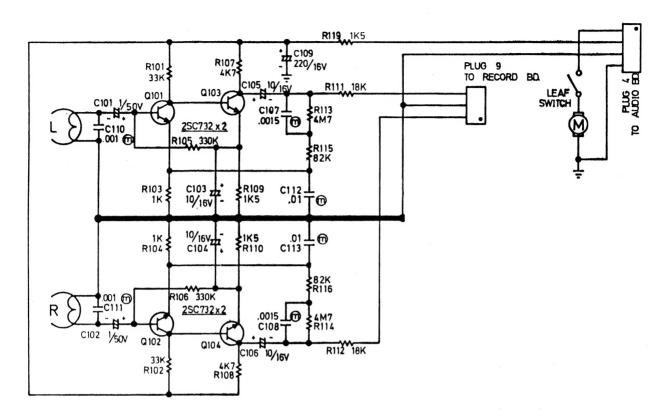
Bestückungsseite

Component view



Schaltbild Wiedergabe Cassettenteil

Circuit diagram play-cass.-deck



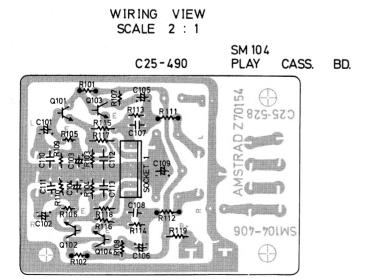
Wiedergabeplatine

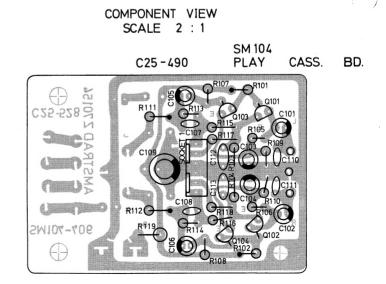
Play P.C.B.

Leiterbahnseite

Wiring view

Bestückungsseite Component view





A/W-Platine

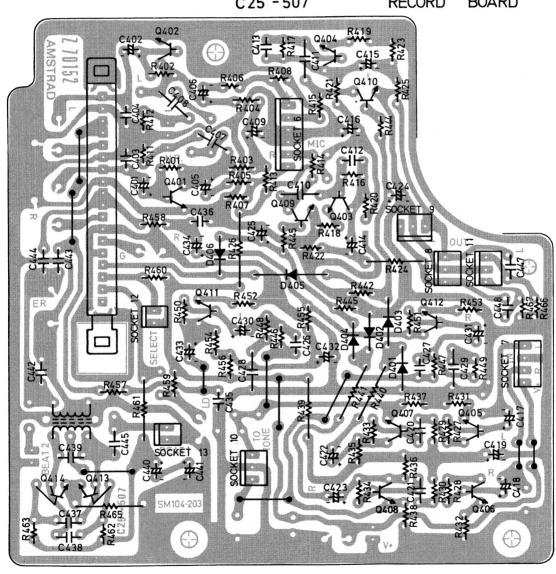
Rec./play P.C.B.

Leiterbahnseite Wiring P.C.B.

SCALE 2:1

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SM 103 / 104 RECORD BOARD



Bestückungsseite

Component view

COMPONENT VIEW SCALE 2:1

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SM 103/104 RECORD BOARD

